BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Division,Yelahanka Zone

Executive Engineer
Yelahanka Division
B.B.M.P. Bengaluru-64
No:EE/YNK-D/E-PMT/04/2022-23 Dated: 30-08-2021

MODIFIED SCHEDULE-'B'

NAME OF WORK:- Improvements and Asphalting to Chikkadinne and surrounding areas in Attur ward no 03 of Yelahanka satellite town sub division.

Sl No	Description	Unit	Modified Quantity	Rate quoted by the contractor approved rates Sri. RAMESH Y B	
				Rate	Rate in Words
1	Removing and refixing stone slabs of drains and pointing in CM (1:3) and as per the directions of the Engineer-in-charge of the work	Sqm	852.23	116.75	Rupees One Hundred Sixteen and Seventy Five Paise Only
2	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum	1501.74	214.63	Rupees Two Hundred Fourteen and Sixty Three Paise Only
3	Providing One line dressing to granite stone slab/ granite stone masonry as per speciication and as per the directions of the Engineer-in-charge of the work	Sqm	89.91	997.41	Rupees Nine Hundred Ninety Seven and Forty One Paise Only
4	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Cum	198.19	6637.23	Rupees Six Thousand Six Hundred Thirty Seven and Twenty Three Paise Only

5	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm and as per the directions of the Engineer-in-charge of the work	Cum	415.80	7579.74	Rupees Seven Thousand Five Hundred Seventy Nine and Seventy Four Paise Only
6	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per the directions of the Engineer-in-charge of the work	tonne	24.88	96673.74	Rupees Ninety Six Thousand Six Hundred Seventy Three and Seventy Four Paise Only
7	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work, curing, including cost of alll materials, labour,hire charges of machinery, loading, unloading,lead and lift,transportation etc ,copmplete. and as per the directions of the Engineer-in-charge of the work	Sqm	1103.39	2451.51	Rupees Two Thousand Four Hundred Fifty One and Fifty One Paise Only
8	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete and as per the directions of the Engineer-in-charge of the work	Sqm	54.72	5683.48	Rupees Five Thousand Six Hundred Eighty Three and Forty Eight Paise Only
9	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum	208.70	75.00	Rupees Seventy Five Only

10	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications and as per the directions of the Engineer-in-charge of the work	Sqm	481.98	6.67	Rupees Six and Sixty Seven Paise Only
11	Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications and as per the directions of the Engineer-in-charge of the work Qty Upto 125%	Cum	115.60	463.87	Rupees Four Hundred Sixty Three and Eighty Seven Paise Only
	Qty Above 125%	Cum	103.40	463.87	Rupees Four Hundred Sixty Three and Eighty Six Paise Only
12	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications and as per the directions of the Engineer-in-charge of the work Qty Upto 125%	Cum	43.35	2708.20	Rupees Two Thousand Seven Hundred Eight and Twenty Paise Only
	Qty Above 125%	Cum	28.95	2708.20	Rupees Two Thousand Seven Hundred Eight and Twenty Paise Only
13	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum	318.39	2762.44	Rupees Two Thousand Seven Hundred Sixty Two and Forty Four Paise Only

14	Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complet as per specifications.and as per the directions of the Engineer-in-charge of the work	Sqm	1628.95	23.35	Rupees Twenty Three and Thirty Five Paise Only
15	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications and as per the directions of the Engineer-in-charge of the work	Sqm	2903.53	50.77	Rupees Fifty and Seventy Seven Paise Only
16	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen and as per the directions of the Engineer-in-charge of the work	Cum	145.18	11410.92	Rupees Eleven Thousand Four Hundred Ten and Ninety Two Paise Only
17	Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications.and as per the directions of the Engineer-in-charge of the work	Sqm	4173.66	5.56	Rupees Five and Fifty Six Paise Only
18	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications and as per the directions of the Engineer-in-charge of the work	Sqm	4658.27	17.31	Rupees Seventeen and Thirty One Paise Only

19	Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 507 of MORTH V revision using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 5.4% VG-30 Bitumen and as per the directions of the Engineer-in-charge of the work	Cum	186.33	13305.62	Rupees Thirteen Thousand Three Hundred Five and Sixty Two Paise Only
20	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Sqm	224.72	551.56	Rupees Five Hundred Fifty One and Fifty Six Paise Only
21	Loading and Unloading of Stone Boulder /Stone aggregates/ Sand/ Kankar /Moorum. (Tipper 14 m3) and as per the directions of the Engineer-in-charge of the work	Cum	1710.45	85.39	Rupees Eighty Five and Thirty Nine Paise Only
22	Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km and as per the directions of the Engineer-in-charge of the work	t.Km	2189.37	121.16	Rupees One Hundred Twenty One and Sixteen Paise Only

E1	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paidseparately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates and as per the directions of the Engineer-in-charge of the work	Cum	12.76	6784.93	Rupees Six Thousand Seven Hundred Eighty Four and Ninety Three Paise Only
E2	Providing and fixing pre cast solid cement concrete Kerb Stones made out of M20 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading, unloading, lead and lift transportion etc., complete as directed by the Engineer in charge of the work(from finish concrete and no painting to be done)(Data Rate) and as per the directions of the Engineer-in-charge of the work	nos	1418.00	531.84	Rupees Five Hundred Thirty One and Eighty Four Paise Only
E3	Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concretesurfaces. and as per the directions of the Engineer-in-charge of the work	Sqm	248.96	98.08	Rupees Ninety Eight and Eight Paise Only

Signature of the Contractor

Executive Engineer
Yelahanka Division

Executive Engineer,
Yelahanka Division,
B.B.M.P. Bangalore-64